

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081819\
 Data File : VN057359.D
 Acq On : 16 Aug 2019 17:09
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/19/2019 12:19:19 PM

Quant Time: Aug 19 09:14:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 15 11:33:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	894435	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1301464	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1190962	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	471865	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	455863	46.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.76%	
35) Dibromofluoromethane	7.58	113	413098	48.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.84%	
50) Toluene-d8	10.08	98	1561082	50.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.06%	
62) 4-Bromofluorobenzene	12.40	95	533200	48.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	339779	44.147	ug/l	98
3) Chloromethane	2.05	50	388640	42.780	ug/l	100
4) Vinyl Chloride	2.18	62	377502	44.169	ug/l	98
5) Bromomethane	2.53	94	295283m	48.468	ug/l	
6) Chloroethane	2.69	64	264008	44.908	ug/l	99
7) Trichlorofluoromethane	3.01	101	610558	45.543	ug/l	98
8) Diethyl Ether	3.40	74	233057	46.189	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	368175	46.744	ug/l	98
10) Methyl Iodide	3.95	142	619941	49.241	ug/l	99
11) Tert butyl alcohol	4.76	59	313967	227.128	ug/l	100
12) 1,1-Dichloroethene	3.73	96	361890	46.114	ug/l	98
13) Acrolein	3.60	56	149077	177.649	ug/l	99
14) Allyl chloride	4.31	41	567606	45.121	ug/l	98
15) Acrylonitrile	4.97	53	885062	235.834	ug/l	100
16) Acetone	3.80	43	770191	228.336	ug/l	99
17) Carbon Disulfide	4.05	76	946939	44.789	ug/l	100
18) Methyl Acetate	4.31	43	406337	44.834	ug/l	97
19) Methyl tert-butyl Ether	5.02	73	1162209	47.198	ug/l	99
20) Methylene Chloride	4.54	84	428032	45.354	ug/l	96
21) trans-1,2-Dichloroethene	5.03	96	390139	46.229	ug/l	95
22) Diisopropyl ether	5.93	45	1138072	45.797	ug/l	99
23) Vinyl Acetate	5.88	43	4634727	231.741	ug/l	98
24) 1,1-Dichloroethane	5.84	63	694621	45.434	ug/l	99
25) 2-Butanone	6.82	43	1123551	230.021	ug/l	95
26) 2,2-Dichloropropane	6.81	77	604182	48.899	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	465560	46.597	ug/l	99
28) Bromochloromethane	7.19	49	322147	47.424	ug/l #	97
29) Tetrahydrofuran	7.20	42	694392	224.636	ug/l	98
30) Chloroform	7.36	83	725658	45.292	ug/l	98
31) Cyclohexane	7.64	56	576660	43.525	ug/l	100
32) 1,1,1-Trichloroethane	7.56	97	644437	47.822	ug/l	99
36) 1,1-Dichloropropene	7.79	75	531698	46.270	ug/l	99
37) Ethyl Acetate	6.91	43	447768	47.576	ug/l	99
38) Carbon Tetrachloride	7.77	117	570921	47.818	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	629236	46.895	ug/l	99
40) Benzene	8.03	78	1649076	46.919	ug/l	98
41) Methacrylonitrile	7.16	41	224163	52.889	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	534444	45.944	ug/l	98
43) Isopropyl Acetate	8.15	43	769714	44.598	ug/l	95
44) Trichloroethene	8.83	130	473289	47.897	ug/l	100
45) 1,2-Dichloropropane	9.11	63	423830	46.783	ug/l	100
46) Dibromomethane	9.20	93	284450	47.065	ug/l	98
47) Bromodichloromethane	9.40	83	578512	48.311	ug/l	99
48) Methyl methacrylate	9.19	41	357091	46.074	ug/l	98
49) 1,4-Dioxane	9.19	88	152145	933.487	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	2269131	233.701	ug/l	99
52) Toluene	10.15	92	1055433	48.245	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	642173	49.578	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	702602	49.191	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	419387	48.753	ug/l	99
56) Ethyl methacrylate	10.43	69	625294	49.810	ug/l	98
57) 1,3-Dichloropropane	10.70	76	680030	47.321	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	696197	191.297	ug/l	98
59) 2-Hexanone	10.75	43	1646227	235.834	ug/l	98
60) Dibromochloromethane	10.90	129	483809	50.188	ug/l	100
61) 1,2-Dibromoethane	11.00	107	448665	48.962	ug/l	99
64) Tetrachloroethene	10.63	164	479387	46.562	ug/l	97
65) Chlorobenzene	11.43	112	1169652	48.153	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	453758	48.778	ug/l	100
67) Ethyl Benzene	11.51	91	2047200	48.173	ug/l	100
68) m/p-Xylenes	11.62	106	1552589	99.160	ug/l	98
69) o-Xylene	11.95	106	763049	49.634	ug/l	98
70) Styrene	11.96	104	1251421	51.066	ug/l	99
71) Bromoform	12.13	173	377747	51.472	ug/l #	98
73) Isopropylbenzene	12.25	105	2027716	54.332	ug/l	99
74) N-amyl acetate	12.07	43	619553	45.248	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	561663	53.899	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	478018m	51.500	ug/l	
77) Bromobenzene	12.53	156	542695	53.822	ug/l	97
78) n-propylbenzene	12.59	91	2119105	46.636	ug/l	99
79) 2-Chlorotoluene	12.67	91	1308689	52.813	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1692429	53.386	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	187801	48.531	ug/l	96
82) 4-Chlorotoluene	12.77	91	1262783	46.898	ug/l	99
83) tert-Butylbenzene	12.99	119	1502689	54.084	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1607089	47.285	ug/l	99
85) sec-Butylbenzene	13.17	105	1855991	52.055	ug/l	100
86) p-Isopropyltoluene	13.29	119	1653002	47.505	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	814350	49.257	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	760732	48.473	ug/l	100
89) n-Butylbenzene	13.62	91	1278590	51.543	ug/l	99
90) Hexachloroethane	13.88	117	313860	53.182	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	764018	49.574	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	73739	43.823	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	279342	45.825	ug/l	98
94) Hexachlorobutadiene	15.01	225	328511	56.152	ug/l	97
95) Naphthalene	15.13	128	555460	56.232	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	258989	58.074	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

